

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
19 February 2004 (19.02.2004)

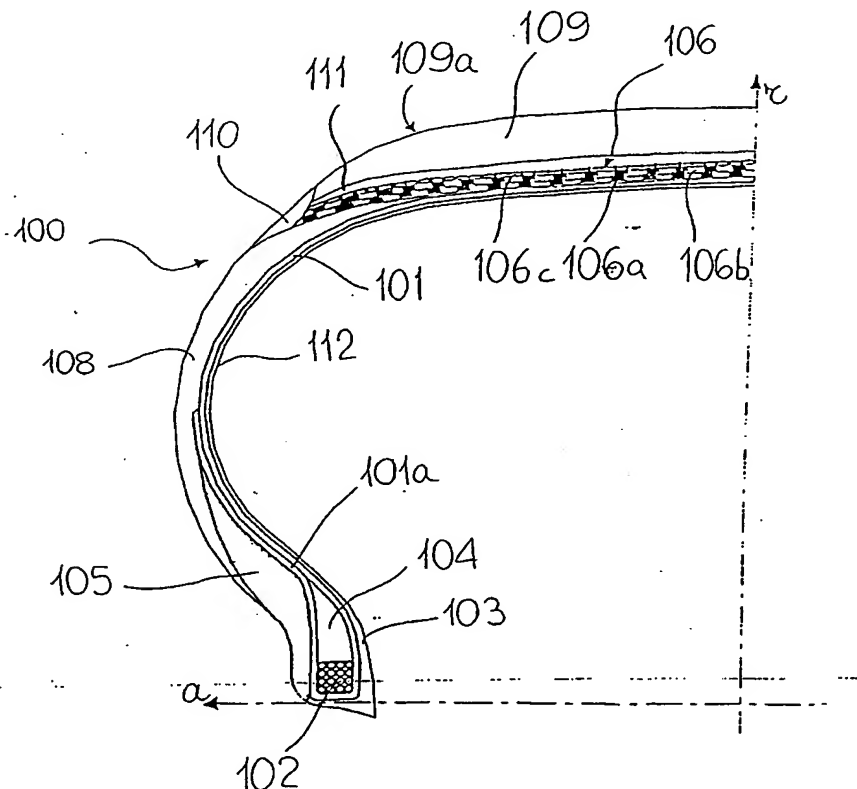
PCT

(10) International Publication Number
WO 2004/014996 A1

- (51) International Patent Classification⁷: C08K 5/01, B60C 1/00, C08L 21/00
- (21) International Application Number: PCT/EP2002/008533
- (22) International Filing Date: 31 July 2002 (31.07.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (71) Applicant (for all designated States except US): **PIRELLI PNEUMATICI S.P.A.** [IT/IT]; Viale Sarca, 222, I-20126 Milano (IT).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **NAHMIAS NANNI, Marco** [IT/IT]; Via della Moscova, 44/1, I-20121 Milano (IT). **SERRA, Antonio** [IT/IT]; Via Mantova 59 - int. 49, I-16138 Genova (IT). **CECCARELLI, Raffaele** [IT/IT]; 6, Via Giovanni XXIII, I-01015 Sutri (VT) (IT).
- (74) Agents: **BOTTERO, Carlo et al.**; Pirelli S.p.A., Viale Sarca, 222, I-20126 Milano (IT).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: TYRE FOR VEHICLE WHEELS AND ELASTOMERIC COMPOSITION USED THEREIN



(57) Abstract: Tyre for vehicle wheels, comprising at least one structural element made of a crosslinked elastomeric material, in which said structural element made of a crosslinked elastomeric material, in which said crosslinked elastomeric material includes an elastomeric composition comprising: (a) at least one diene elastomeric polymer; (b) at least one paraffin wax; (c) at least one polymer of at least one C³-C⁷4 α -olefin, said polymer having a number average molecular weight not higher than 10,000. Preferably, said structural element including said composition is a tyre pair of sidewalls.